

# Beef Plant Case Study

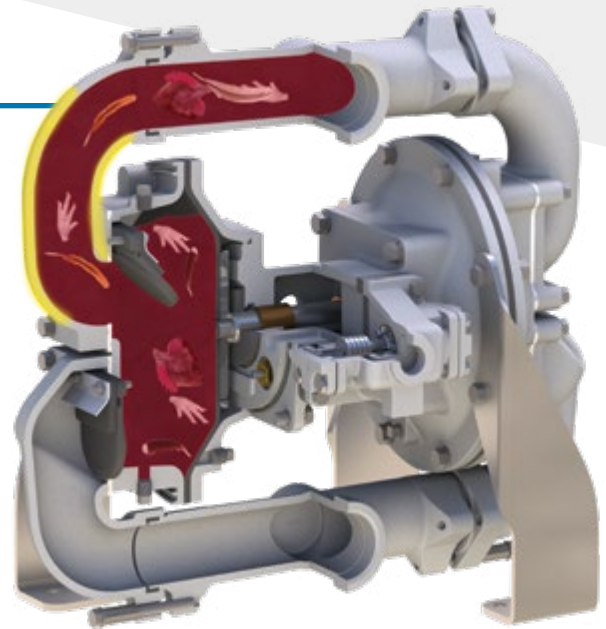
## Sandpiper HDF Pumps For Blood Collection & Transfer

**Company Profile:** One of the world's most prominent food processing companies has multiple food processing plants globally. This company plays a critical role in processing value-added chicken, beef, and pork both for U.S. domestic and international markets.

**Industry:** Food & Beverage, Meat Packing

**Products:** HDF2

**End User:** Global processor of poultry, beef, and pork



*SANDPIPER HDF Pumps gently pass blood without shearing or frothing*

This is a common application for the Sandpiper HDF pumps since their introduction in 1968. They have been used so often in blood collection areas that many plant personnel refer to them as the “Blood Pump”.

A global beef processing company installed 2-inch **Stainless Steel Heavy Duty Flap Valve pumps** in their blood collection and transfer process at one of their beef packing plants. During the slaughtering process, blood is collected in a sump/trough and then pumped to the next step in their process. Throughout this process, the integrity and composition of the blood must be maintained as the red cells and plasma are key ingredients in the production of animal feed.

This plant had previously used centrifugal pumps to transfer blood but found that the blood was being damaged by the high speed impellers. The blood was becoming frothed, did not flow well, and could not be re-used.

The SANDPIPER distributor salesperson introduced the customer to the 2-inch Heavy Duty Flap Valve (HDF) pump because it gently passes shear sensitive fluids like blood. And, because of the unique flap valve design, can also pass the solids that find their way into blood collection systems.

For more information on this application contact Warren Rupp, Inc.

### DID YOU KNOW?

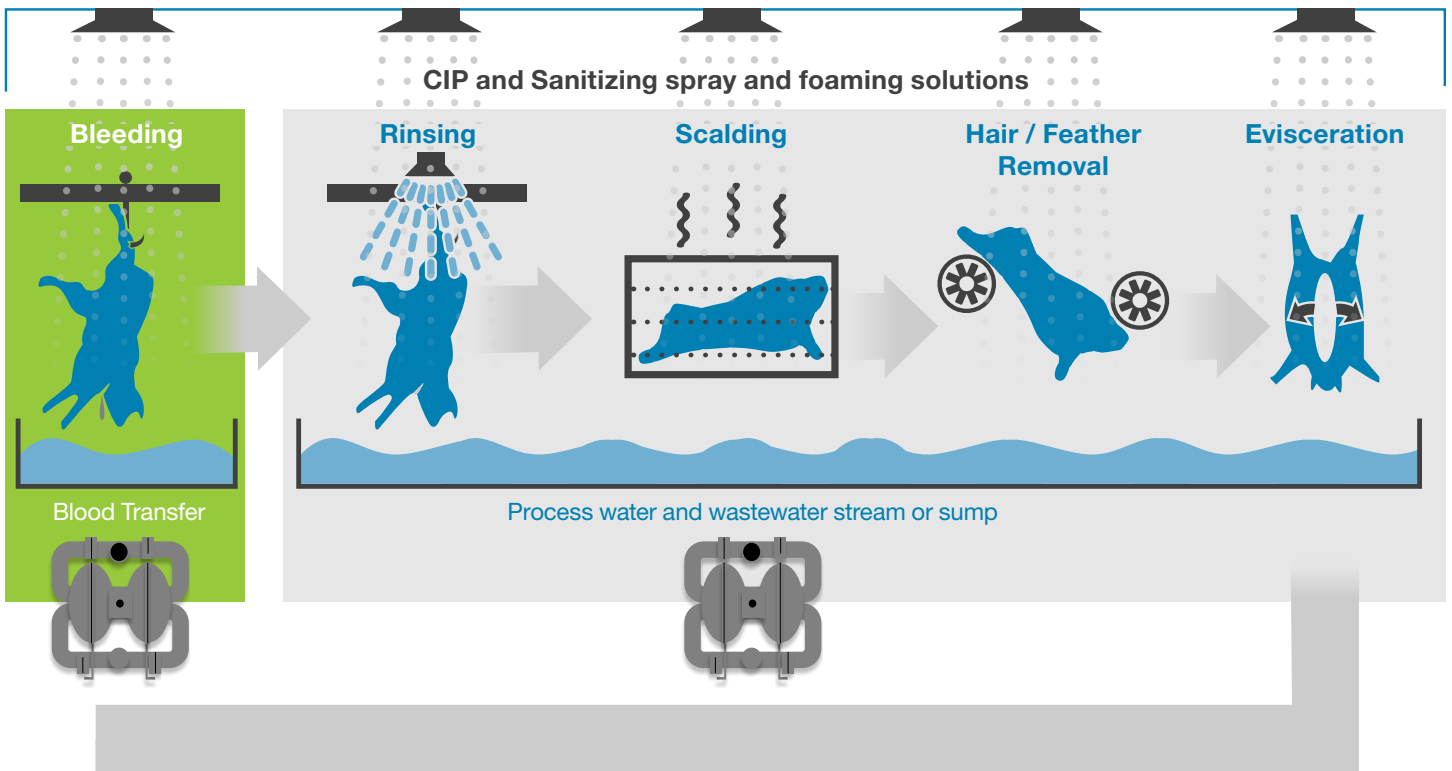
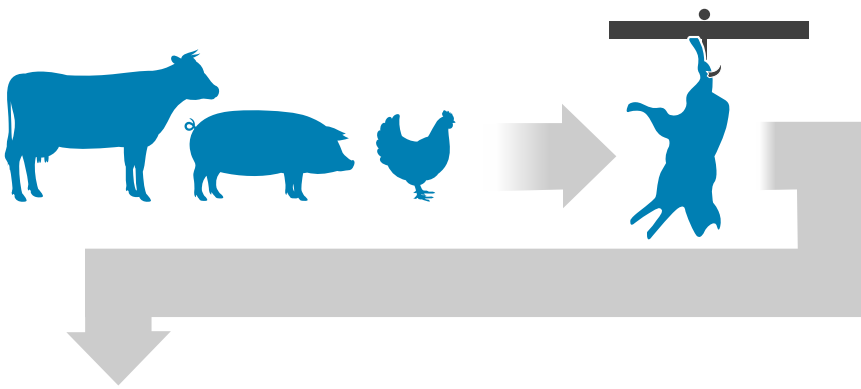
#### Common uses of animal blood

- Proteins & Plasma for animal feed
- Blood Meal fertilizer
- Coagulant for wound treatments



*Centrifugal pumps use high-speed impellers that shear and froth blood preventing further use*

## Stunning and Suspension



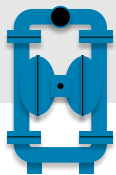
## Cutting



## Packaging



Utilizes Sandpiper's Standard Duty Ball Pump



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